

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1313677

Luminaire Tested: LDSQA3D13R309727DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313677
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R309727DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

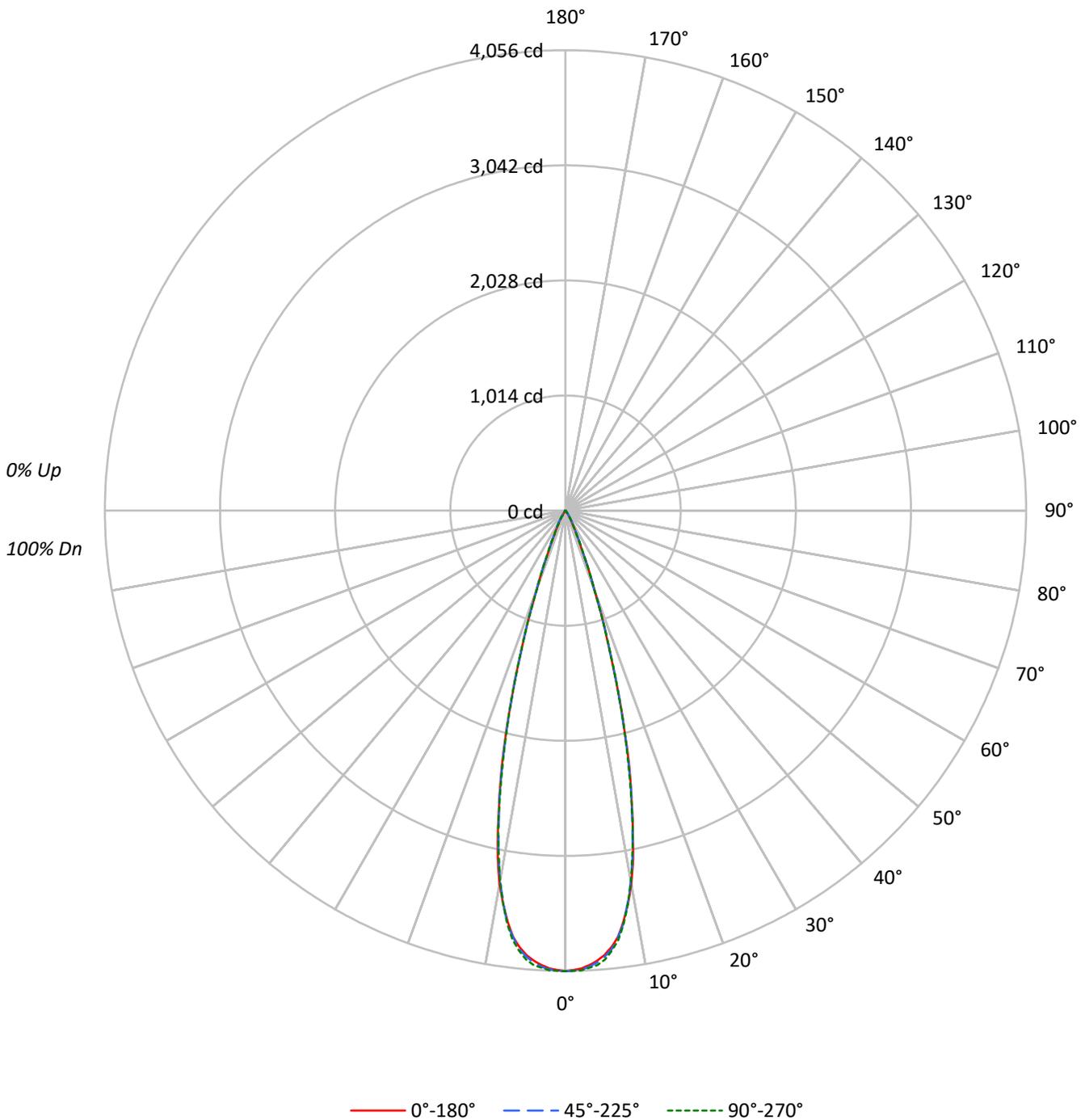
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1054.9 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





TEST NUMBER: P1313677

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | | | | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | 0 | |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1 | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 98 | 98 | 98 | 97 |
| 2 | 111 | 108 | 105 | 102 | 109 | 106 | 104 | 101 | 103 | 101 | 99 | 100 | 99 | 97 | 98 | 96 | 95 | 95 | 95 | 95 | 94 |
| 3 | 108 | 103 | 100 | 97 | 106 | 102 | 99 | 96 | 100 | 97 | 95 | 97 | 95 | 93 | 95 | 93 | 92 | 93 | 93 | 92 | 91 |
| 4 | 105 | 99 | 96 | 93 | 103 | 98 | 95 | 92 | 96 | 93 | 91 | 95 | 92 | 90 | 93 | 91 | 89 | 93 | 91 | 89 | 88 |
| 5 | 102 | 96 | 92 | 89 | 100 | 95 | 91 | 89 | 94 | 90 | 88 | 92 | 89 | 87 | 91 | 88 | 86 | 91 | 88 | 86 | 85 |
| 6 | 99 | 93 | 89 | 86 | 98 | 92 | 88 | 85 | 91 | 87 | 85 | 90 | 87 | 84 | 88 | 86 | 84 | 88 | 86 | 84 | 83 |
| 7 | 96 | 90 | 86 | 83 | 95 | 89 | 85 | 83 | 88 | 85 | 82 | 87 | 84 | 82 | 86 | 84 | 82 | 86 | 84 | 82 | 81 |
| 8 | 94 | 87 | 83 | 80 | 93 | 87 | 83 | 80 | 86 | 82 | 80 | 85 | 82 | 80 | 84 | 81 | 79 | 84 | 81 | 79 | 78 |
| 9 | 91 | 85 | 81 | 78 | 90 | 84 | 80 | 78 | 83 | 80 | 78 | 83 | 80 | 77 | 82 | 79 | 77 | 82 | 79 | 77 | 76 |
| 10 | 89 | 82 | 78 | 76 | 88 | 82 | 78 | 76 | 81 | 78 | 76 | 81 | 78 | 75 | 80 | 77 | 75 | 80 | 77 | 75 | 74 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 698621 | 698621 | 698621 |
| 5° | 679472 | 682428 | 686647 |
| 10° | 584272 | 579306 | 579865 |
| 15° | 359021 | 356115 | 356400 |
| 20° | 136632 | 136943 | 134396 |
| 25° | 43459 | 45777 | 43611 |
| 30° | 17480 | 21696 | 17958 |
| 35° | 5656 | 9587 | 5656 |
| 40° | 2563 | 4204 | 2563 |
| 45° | 999 | 1778 | 999 |
| 50° | 429 | 884 | 429 |
| 55° | 480 | 480 | 480 |
| 60° | 551 | 551 | 551 |
| 65° | 326 | 326 | 326 |
| 70° | 403 | 403 | 403 |
| 75° | 532 | 532 | 532 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1778 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 357.8 | 33.9 |
| 10°-20° | 530.8 | 50.3 |
| 20°-30° | 131.9 | 12.5 |
| 30°-40° | 26.3 | 2.5 |
| 40°-50° | 4.8 | 0.5 |
| 50°-60° | 1.5 | 0.1 |
| 60°-70° | 1.1 | 0.1 |
| 70°-80° | 0.7 | 0.1 |
| 80°-90° | 0.0 | 0.0 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 1020.5 | 96.7 |
| 0°-40° | 1046.8 | 99.2 |
| 0°-60° | 1053.1 | 99.8 |
| 0°-90° | 1054.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1054.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 4056 | 4056 | 4056 | 4056 | 4056 | |
| 5° | 3930 | 3943 | 3947 | 3953 | 3972 | 357 |
| 15° | 2014 | 2018 | 1997 | 2004 | 1999 | 533 |
| 25° | 229 | 234 | 241 | 238 | 230 | 128 |
| 35° | 27 | 35 | 46 | 34 | 27 | 22 |
| 45° | 4 | 5 | 7 | 6 | 4 | 4 |
| 55° | 2 | 2 | 2 | 2 | 2 | 1 |
| 65° | 1 | 1 | 1 | 1 | 1 | 1 |
| 75° | 1 | 1 | 1 | 1 | 1 | 1 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P1313677

CATALOG NUMBER: LDSQA3D13R309727DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 4056.5 | 4056.5 | 4056.5 | 4056.5 | 4056.5 |
| 1° | 4047.5 | 4052.4 | 4055.6 | 4055.6 | 4055.6 |
| 2° | 4036.1 | 4039.4 | 4044.3 | 4045.1 | 4051.6 |
| 3° | 4009.3 | 4016.6 | 4024.7 | 4029.6 | 4032.9 |
| 4° | 3976.7 | 3986.5 | 3991.3 | 4003.6 | 4014.1 |
| 5° | 3930.3 | 3943.3 | 3947.4 | 3953.1 | 3971.8 |
| 6° | 3867.6 | 3877.4 | 3885.5 | 3888.0 | 3899.4 |
| 7° | 3784.6 | 3789.5 | 3787.9 | 3791.9 | 3812.3 |
| 8° | 3658.5 | 3660.1 | 3673.9 | 3665.0 | 3678.8 |
| 9° | 3508.7 | 3502.2 | 3498.9 | 3505.5 | 3506.3 |
| 10° | 3341.0 | 3319.1 | 3312.6 | 3306.9 | 3315.8 |
| 11° | 3123.7 | 3095.2 | 3097.7 | 3096.1 | 3083.0 |
| 12° | 2853.5 | 2850.3 | 2829.1 | 2833.2 | 2852.7 |
| 13° | 2577.6 | 2583.3 | 2579.2 | 2584.1 | 2562.1 |
| 14° | 2318.8 | 2291.1 | 2298.4 | 2270.8 | 2281.4 |
| 15° | 2013.6 | 2017.6 | 1997.3 | 2003.8 | 1998.9 |
| 17.5° | 1289.2 | 1298.2 | 1291.7 | 1286.0 | 1294.9 |
| 20° | 745.5 | 744.7 | 747.2 | 739.8 | 733.3 |
| 22.5° | 392.3 | 398.0 | 405.3 | 406.1 | 411.0 |
| 25° | 228.7 | 233.6 | 240.9 | 237.7 | 229.5 |
| 27.5° | 140.0 | 148.9 | 160.3 | 152.2 | 142.4 |
| 30° | 87.9 | 95.2 | 109.1 | 96.0 | 90.3 |
| 32.5° | 49.6 | 60.2 | 71.6 | 60.2 | 49.6 |
| 35° | 26.9 | 35.0 | 45.6 | 34.2 | 26.9 |
| 37.5° | 17.9 | 20.3 | 30.1 | 20.3 | 17.9 |
| 40° | 11.4 | 13.8 | 18.7 | 13.8 | 11.4 |
| 42.5° | 6.5 | 9.0 | 10.6 | 9.0 | 6.5 |
| 45° | 4.1 | 4.9 | 7.3 | 5.7 | 4.1 |
| 47.5° | 1.6 | 2.4 | 4.9 | 2.4 | 2.4 |
| 50° | 1.6 | 1.6 | 3.3 | 1.6 | 1.6 |
| 52.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 55° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 57.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 60° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 62.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 65° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 67.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 70° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 72.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 75° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 77.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)